

## ABSTRACT

A paper dispenser includes a reel tube having a lateral opening and a cavity, a central shaft disposed inside the cavity, a set of spring for shaft with one end inserted and fixed on the central shaft while the other 5 end is connected with the beginning end of the reel. The spring set for shaft rotates in accordance with the central shaft and can release paper through the lateral opening or furl paper back to the cavity. An annular leafspring set for the paper roll is installed between the reel tube and the spring set for shaft. When paper is released, the stretching force 10 of the spring set for shaft along radial direction pulls the paper roll out. When the paper roll is curled back to the tube, the compressing force of the spring set for shaft along radial direction provides part of the cavity for receiving paper.